



Express Mail No.: EL844539396 US
Date of Deposit: August 9, 2002

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8/19/02

Attorney's Docket No: L00461/70104

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Luiten et al.
Serial No.: 09/766,889
Filed: January 19, 2001
For: MAGE ANTIGENIC PEPTIDES WHICH BIND HLA-B35 and HLA-B44
Examiner: L. Spector
Art Unit: 1647
Conf. No.: 9782

Box Non-Fee Amendment
Commissioner for Patents
Washington, DC 20231

RECEIVED

AUG 15 2002

Sir:

Transmitted herewith are the following documents:

- Response to Requirement for Information Under 37 C.F.R. 1.105
- Two pages of Schematic Drawings Showing Peptide Alignments
- Preliminary Amendment
- Substitute Sequence Listing – paper copy and computer readable form
- Statement Under 37 C.F.R. 1.821(f) and 1.825(a) and (b)

TECH CENTER 1600/2900

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617)720-3500, Boston, Massachusetts.

No check is enclosed. If a fee is determined to be required, please charge the fee to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,


John R. Van Amsterdam, Reg. No. 40,212
WOLF, GREENFIELD & SACKS, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210
Tel: (617) 720-3500

Attorney's Docket No. L00461/70104
Dated: August 9, 2002
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RESPONSE TO REQUIREMENT FOR INFORMATION UNDER 37 C.F.R. 1.105

Sir:

Applicants hereby respond to the requirement for information under 37 C.F.R. 1.105 mailed on July 11, 2002. The Examiner required that the following information be supplied.

1) Confirmation that SEQ ID NO:1 is MAGE-A1, and that SEQ ID NO:54 is MAGE-A3.

Applicants confirm that the nucleotide sequence of MAGE-A1 is SEQ ID NO:1 (the amino acid sequence is SEQ ID NO:2), and that the nucleotide sequence of MAGE-A3 is SEQ ID NO:54 (the amino acid sequence is SEQ ID NO:55). This information was supplied in the specification in several places, e.g., in the first paragraph of the Summary of the Invention on page 4 of the application.

2) A listing of shorter sequences that correspond to the full length sequences.

MAGE-A1 polypeptide (SEQ ID NO:2):

SEQ ID NO:5 aligns with residues 161-172 of SEQ ID NO:2
SEQ ID NO:6 aligns with residues 163-172 of SEQ ID NO:2
SEQ ID NO:7 aligns with residues 163-171 of SEQ ID NO:2
SEQ ID NO:8 aligns with residues 161-169 of SEQ ID NO:2
SEQ ID NO:9 aligns with residues 160-169 of SEQ ID NO:2

SEQ ID NO:10 aligns with residues 162-169 of SEQ ID NO:2
SEQ ID NO:12 aligns with residues 148-169 of SEQ ID NO:2
SEQ ID NO:14 aligns with residues 161-169 of SEQ ID NO:2
SEQ ID NO:16 aligns with residues 162-169 of SEQ ID NO:2
SEQ ID NO:53 aligns with residues 161-169 of SEQ ID NO:2

MAGE-A3 polypeptide (SEQ ID NO:55):

SEQ ID NO:56 aligns with residues 168-176 of SEQ ID NO:55
SEQ ID NO:57 aligns with residues 167-182 of SEQ ID NO:55
SEQ ID NO:58 aligns with residues 170-178 of SEQ ID NO:55
SEQ ID NO:59 aligns with residues 167-176 of SEQ ID NO:55

3) A graphic alignment of the short sequences with the appropriate long sequences.

Applicants have enclosed herewith two graphic alignments, one each for the MAGE-A1 and MAGE-A3 polypeptide sequences and the shorter peptide sequences that correspond thereto. The alignments are also indicated by sequence range.

Remarks

Applicants believe they have complied with the Examiner's requirement for information. The information regarding SEQ ID NO:57 reflects the correction of the typographical error made in the accompanying Preliminary Amendment. If the information provided herewith is insufficient, the Examiner is invited to telephone the undersigned at the number listed below.

Respectfully submitted,


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600 Atlantic Avenue
Boston, Massachusetts 02210
Tel: (617) 720-3500

Attorney's Docket No. L00461/70104

Dated: August 9, 2002

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